



## ABSTRACT OF THE DISCLOSURE

A diagnostic system for a modular fieldbus board carrying a number of fieldbuses connected to a bulk power supply. A monitoring transceiver means is adapted in use to one or more of the fieldbuses by means of two or more common mode and/or differential mode signal injection and/or signal detection points, which points are dispersed between the bulk power supply and the fieldbus trunk. The monitoring transceiver means can detect one or more fieldbus physical layer characteristics between two of the two or more of said points.